

(Rev. 5/92)
Comparable to
Form PTO-1449

U.S. Department of Commerce
Patent and Trademark Office

Atty. Docket No.

78746

Serial No.

09/515,118

INFORMATION DISCLOSURE CITATION
(Use several sheets if necessary)

Applicants
Wachtfogel, et al.,

Filing Date
February 28, 2000

Group

U.S. PATENT DOCUMENTS

*Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
HVT	A	5,986,692	11/16/1999	SYSTEMS AND METHODS FOR COMPUTER ENHANCED BROADCAST MONITORING			
HVT		5,892,536	04/06/1999	SYSTEMS AND METHODS FOR COMPUTER ENHANCED BROADCAST MONITORING			
HVT		5,371,551	12/06/1994	TIME DELAYED DIGITAL VIDEO SYSTEM USING CONCURRENT RECORDING AND PLAYBACK			

FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Subclass	Translation	
							Yes	No

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

Examiner

Date Considered

12/20/05

*Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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Applicants
Wachfoget, et al.,

Filing Date
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Group
2713

U.S. PATENT DOCUMENTS

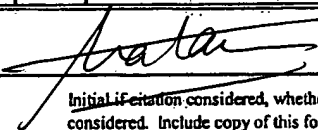
*Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
HVT	A	5,578,257	05/1998	Herz, et al.			
HVT		5,664,948	09/1997	Dimitriadis, et al.			

FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Subclass	Translation	
							Yes	No
HVT		WO 97/17774	5/1997	PCT			Abs.	
		WO 98/37696	8/1998	PCT			Abs.	
HVT		WO 98/28869	7/1998	PCT			Abs.	

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

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12/20/05

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(Rev. 5/92) Comparable to Form PTO-1449		U.S. Department of Commerce Patent and Trademark Office		Atty. Docket No. <div style="font-size: 1.2em;">78746</div>		Serial No. <div style="font-size: 1.2em;">09/515,118</div>	
INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)				Applicants Wachtfogel, et al.,			
Filing Date February 28, 2001				Group 2713			

U.S. PATENT DOCUMENTS							
*Examiner Initial	A	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
HVT	A	5,235,643	08/10/1993	Anderson, et al.			
HVT		5,819,092	10/06/1998	Ferguson, et al.,			

FOREIGN PATENT DOCUMENTS								
		Document Number	Date	Country	Class	Subclass	Translation	
							Yes	No
		EP 0 847 156		Europe			Abs.	
HVT		WO 99/45702	09/10/1999	PCT			Abs.	
HVT		WO 99/43111	08/26/1999	PCT			Abs.	
HVT		EP 0 680 214		Europe			Abs.	

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		

Examiner <div style="font-size: 1.5em; font-family: cursive;">Hatch</div>	Date Considered <div style="font-size: 1.5em; font-family: cursive;">12/20/05</div>
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[illegible]

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10/24/2001 W&K Substitute for Form PTO-SB/08A, which is a US PTO Substitute for form 1449A/PTO and 1449B/PTO			Complete if Known		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)			Application Number	09/515,118	
			Filing Date	February 28, 2000	
			First Named Inventor	WACHFOGEL, et al.	
			Art Unit	2713	
			Examiner Name		
Sheet	1	of	3	Attorney Docket Number	78746

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number Number - Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
HVT		US-3,341,833	09/12/1967	Jones	
		US-3,645,539	02/29/1972	Jenkins	
		US-3,682,363	08/08/1972	Hull	
		US-4,283,735	08/11/1981	Jagger	
		US-4,319,286	03/09/1982	Hanpachern	
		US-4,408,309	10/04/1983	Kiesling, et al.	
		US-4,430,676	02/07/1984	Johnson	
		US-4,445,195	04/24/1984	Yamamoto	
		US-4,530,048	07/16/1985	Proper	
		US-4,633,331	12/30/1986	McGrady, et al.	
		US-4,706,121	11/10/1987	Young	
		US-4,876,670	10/24/1989	Nakabayashi, et al.	
		US-4,885,775	12/05/1989	Lucas	
		US-4,891,715	01/02/1990	Levy	
		US-4,908,713	03/13/1990	Levine	
		US-4,963,886	10/16/1990	Duncan	
		US-4,963,994	10/16/1990	Levine	
		US-4,963,995	10/16/1990	Lang	
		US-4,977,455	12/11/1990	Young	
		US-4,991,033	02/05/1991	Takeshita	
		US-5,021,893	06/04/1991	Scheffler	
		US-5,038,211	08/06/1991	Hallenbeck	
		US-5,063,453	11/05/1991	Yoshimura, et al.	
		US-4,151,789	09/29/1992	Young	
		US-5,241,428	08/31/1993	Goldwasser, et al.	
		US-5,293,357	03/08/1994	Hallenbeck	
		US-5,371,551	12/06/1994	Logan, et al.	
		US-5,390,027	02/14/1995	Henmi, et al.	
		US-5,440,336	08/08/1995	Buhro, et al.	
		US-5,477,262	12/19/1995	Banker, et al.	
		US-5,479,302	12/26/1995	Haines	
		US-5,508,815	04/16/1996	Levine	
		US-5,508,940	04/16/1996	Rossmere, et al.	
		US-5,557,538	09/17/1996	Reiter, et al.	
		US-5,568,272	10/22/1996	Levine	
HVT		US-5,703,997	12/30/1997	Kitamura, et al.	

Examiner Signature	<i>[Signature]</i>	Date Considered	12/20/05
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HVT		US-5,717,814	02/10/1998	Abecassis	
HVT		US-5,977,964	11/02/1999	Williams, et al.	
HVT		US-6,324,338	11/27/2001	Wood, et al.	

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Examiner Signature		Date Considered	12/20/00
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				Filing Date	February 28, 2000
				First Named Inventor	WACHFOGEL, et al.
				Art Unit	2713
				Examiner Name	
				Attorney Docket Number	78746
Sheet	3	of	3		

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Examiner Signature		Date Considered	12/20/05
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		Filing Date	February 28, 2000
		First Named Inventor	WACHFOGEL, et al.
		Art Unit	2713
		Examiner Name	
Sheet 1 of 3	Attorney Docket Number	78746	

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No.†	Document Number Number - Kind Code‡ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
KVT		US-3,341,833	09/12/1967	Jones	
		US-3,645,539	02/29/1972	Jenkins	
		US-3,682,363	08/08/1972	Hull	
		US-4,283,735	08/11/1981	Jagger	
		US-4,319,286	03/09/1982	Hanpachern	
		US-4,408,309	10/04/1983	Kiesling, et al.	
		US-4,430,676	02/07/1984	Johnson	
		US-4,445,195	04/24/1984	Yamamoto	
		US-4,530,048	07/16/1985	Proper	
		US-4,633,331	12/30/1986	McGrady, et al.	
		US-4,706,121	11/10/1987	Young	
		US-4,876,670	10/24/1989	Nakabayashi, et al.	
		US-4,885,775	12/05/1989	Lucas	
		US-4,891,715	01/02/1990	Levy	
		US-4,908,713	03/13/1990	Levine	
		US-4,963,886	10/16/1990	Duncan	
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		US-4,963,995	10/16/1990	Lang	
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		US-5,038,211	08/06/1991	Hallenbeck	
		US-5,063,453	11/05/1991	Yoshimura, et al.	
		US-5,151,789	09/29/1992	Young	
		US-5,241,428	08/31/1993	Goldwasser, et al.	
		US-5,293,357	03/08/1994	Hallenbeck	
		US-5,371,551	12/06/1994	Logan, et al.	
		US-5,390,027	02/14/1995	Henmi, et al.	
		US-5,440,336	08/08/1995	Buhro, et al.	
		US-5,477,262	12/19/1995	Banker, et al.	
		US-5,479,302	12/26/1995	Haines	
		US-5,508,815	04/16/1996	Levine	
		US-5,508,940	04/16/1996	Rossmere, et al.	
		US-5,557,538	09/17/1996	Retter, et al.	
		US-5,568,272	10/22/1996	Levine	
KVT		US-5,703,997	12/30/1997	Kitamura, et al.	

Examiner Signature	<i>Arata</i>	Date Considered	12/20/05
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Examiner Signature	<i>Asata</i>	Date Considered	12/20/05
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Examiner Signature	<i>[Signature]</i>	Date Considered	10/20/20
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Form PTO-1449 (Rev. 8-88)		U.S. Department of Commerce Patent and Trademark Office		Attorney Docket No. 7251/78746	Serial No. 09/515,118
INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)				Applicant Wachtfogel et al.	
				Filing Date 2 Feb. 2000	Group No. 2713

U.S. PATENT DOCUMENTS							
Examiner Initial*	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate	
HVT	4,930,158	29 May 1990	Vogel				
HVT	5,701,383	23 Dec. 1997	Russo et al.				

FOREIGN PATENT DOCUMENTS								
Examiner Initial*	Document Number	Date	Country	Class	Subclass	Translation		
						Yes	No	
HVT	0 584 991 A2	2 Mar. 1994	EP					

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		
Examiner Initial*	Ceccarelli, M.P.; "Metadata for Broadcasting" (MPEG-7 Workshop, XP 002117667, 1998)	OK HVT

Examiner <i>[Signature]</i>	Date Considered 12/20/05
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Form PTO-1449 (Rev. 8-88)		U.S. Department of Commerce Patent and Trademark Office		Attorney Docket No. 7251/78746	Serial No. 09/515,118	
INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)				Applicant Wachtfogel et al.		
				Filing Date 24 February 2000	Group No. 2713	
U.S. PATENT DOCUMENTS						
Examiner Initial*	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
<div style="font-size: 2em; margin: 0;">HVT</div> <div style="border-left: 1px solid black; height: 100%; position: relative; margin-top: 10px;"> <div style="position: absolute; top: 0; left: -5px; right: -5px; height: 100%;"></div> </div>	4,602,279	07/22/1986	Freeman			
	5,223,924	06/29/1993	Strubbe			
	5,353,121	10/04/1994	Young et al.			
	5,479,266	12/26/1995	Young et al.			
	5,479,268	12/26/1995	Young et al.			
	5,524,195	06/04/1996	Clanton et al.			
	5,534,911	07/09/1996	Leviton			
	5,550,576	08/27/1996	Klosterman			
	5,659,366	08/19/1997	Kerman			
	5,664,046	09/02/1997	Abecassis			
	5,717,923	02/10/1998	Dedrick			
	5,721,827	02/24/1998	Logan et al.			
	5,737,029	04/07/1998	Ohkura et al.			
	5,793,438	08/11/1998	Bedard			
	5,801,747	09/01/1998	Bedard			
	5,867,799	02/02/1999	Lang et al.			
	5,940,073	08/17/1999	Klosterman et al.			
	5,945,988	08/31/1999	Williams et al.			
	5,973,683	10/26/1999	Cargun et al.			
<div style="font-size: 1.5em; margin: 0;">W/T</div> <div style="margin-top: 10px;"> <div style="display: inline-block; width: 150px; height: 30px; border: 1px solid black; vertical-align: middle;"></div> <div style="display: inline-block; width: 150px; height: 30px; border: 1px solid black; vertical-align: middle;"></div> </div>	<div style="font-size: 1.5em; margin: 0;">Hata</div>		<div style="font-size: 1.5em; margin: 0;">Date Considered</div> <div style="margin-top: 10px; text-align: right;"> <div style="font-size: 1.5em;">12/20/05</div> </div>			
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HVT	5,991,735	11/23/1999	Gerace				
HVT	6,020,883	02/01/2000	Herz et al.				
	6,044,403	03/28/2000	Gerzberg et al.				
	6,078,348	06/20/2000	Klosterman et al.				
	6,088,722	07/11/2000	Herz et al.				
	6,119,098	09/12/2000	Guyot et al.				
	6,128,009	10/03/2000	Ohkura et al.				
	6,133,909	10/17/2000	Schein et al.				
	6,151,059	11/21/2000	Schein et al.				
	6,247,176	06/12/2001	Schein et al.				
	6,286,140 B1	09/04/2001	Ivanyi				
HVT	6,405,370 B1	06/11/2002	Jarrell				
	6,438,752 B1	08/20/2002	McClard				
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U.S. PATENT APPLICATION PUBLICATIONS							
Examiner Initial*		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
HVT		2001/0007147 A1	5 Jul. 2001	Goldschmidt Iki et al.			
		2002/0053084 A1	2 May 2002	Escobar et al.			
		2002/0056098 A1	9 May 2002	White			
		2002/0059094 A1	16 May 2002	Hosea et al.			
		2002/0059606 A1	16 May 2002	Kikinis et al.			
		2002/0077880 A1	20 Jun. 2002	Gordon et al.			
		2002/0083468 A1	27 Jun. 2002	Dudkiewicz			
		2002/0087979 A1	4 Jul. 2002	Dudkiewicz et al.			
		2002/0087987 A1	4 Jul. 2002	Dudkiewicz et al.			
		2002/0097265 A1	25 Jul. 2002	Kurapati et al.			
		2002/0100046 A1	25 Jul. 2002	Dudkiewicz			
		2002/0104081 A1	1 Aug. 2002	Candelore et al.			
		2002/0104087 A1	1 Aug. 2002	Schaffer et al.			
		2002/0116710 A1	22 Aug. 2002	Schaffer et al.			
	HVT		2002/0120943 A1	29 Aug. 2002	Seto et al.		
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
Examiner <i>[Signature]</i>				Date Considered 12/20/85			
*Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							

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INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)				Applicant Wachtfogel et al.										
				Filing Date 24 February 2000		Group No. 2713								
U.S. PATENT DOCUMENTS														
Examiner Initial*		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate							
H4		5,491,795	02/13/1996	Beaudet et al.										
H4		6,446,261	09/03/2002	Rosser										
Examiner 				Date Considered 12/20/05										
*Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.														

Form PTO-1449 (Rev. 8-88)	U.S. Department of Commerce Patent and Trademark Office	Attorney Docket No. 78746	Serial No. 09/515,118
INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)		Applicant Wachtfogel et al	
		Filing Date February 24, 2000	Group No. 2713

U.S. PATENT DOCUMENTS

Examiner Initial*	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate

FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Subclass	Translation	
							Yes	No

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

HVT	A	What if they're right?, February 12, 1994, The Economist, pp.1-18.

Examiner Shatan Date Considered 12/20/05


*Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

① HVT
~~Sheet 4 of 8~~

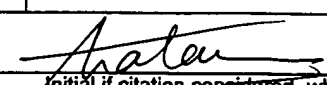
Form PTO-1449 (Rev. 8-88)		U.S. Department of Commerce Patent and Trademark Office		Attorney Docket No. 78746		Serial No. 09/515,118		
INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)				Applicant Wachtfogel et al				
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U.S. PATENT DOCUMENTS								
Examiner Initial*		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate	
HVT		5,561,543	10/1996	Ogawa, et.al.				
FOREIGN PATENT DOCUMENTS								
		Document Number	Date	Country	Class	Subclass	Translation Yes No	
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)								

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Form PTO-1449 (Rev. 8-88)		U.S. Department of Commerce Patent and Trademark Office		Attorney Docket No. 78746		Serial No. 09/515,118		
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U.S. PATENT DOCUMENTS								
Examiner Initial*		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate	
HVT		4,080,626	03/1978	Hurst et al.				
		4,272,787	06/1981	Michael et al.				
		4,488,179	12/1984	Kruger et al.				
		4,706,121	11/1987	Young				
		4,768,095	08/1988	Wada et al.				
		4,774,582	09/1988	Hakamada et al.				
		4,777,531	10/1988	Hakamada et al.				
		4,924,732	05/1990	Hoskins et al.				
HVT		5,038,211	09/1991	Hallenbeck				
FOREIGN PATENT DOCUMENTS								
		Document Number	Date	Country	Class	Subclass	Translation Yes No	
		2210526	06/1989	GB				
HVT		96/33579	10/1996	WO				
HVT		96/37058	11/1996	WO				
HVT		97/27705	07/1997	WO				
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)								
HVT		Gilbert et al., <i>The Role of Intelligent Agents in the Information Infrastructure</i> www.raleigh.ibm.com/iagptc2.html						
		John Maissel, <i>Double Agent Infopack: A Collection of Papers Relating to Phillip's Double Agent System</i> , May 1998						
		Karin Petersen, <i>Tcl/Tk for a Personal Digital Assistant</i> , October 1994, Usenix, Very High Languages, Symposium Proceedings Mexico, pp41-55,						
		The Digital Audio-Visual Council, Bethesda, <i>Applications for Home Storage Based Systems</i> , May 11-13 1998, Source: Applications TC						
		Gessler et al., <i>PDAS as Mobile WWW Browsers, 1995, Computer Networks and ISDN Systems</i> , Vol. 28, pp53-59						
		Matsukura et al., <i>Multimedia Notebook: Information Capturing Technologies for Portable Computers</i> , October 1995, IEICE Trans Commun., Vol. E78-B, NO. 10, pp.1381-1385						
Examiner				Date Considered				12/20/05
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U.S. PATENT DOCUMENTS							
Examiner Initial*		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
HVT		5,046,093	09/1991	Wachob			
		5,189,517	02/1993	Ohara			
		5,191,423	03/1993	Yoshida			
		5,323,240	06/1994	Amano et al.			
		5,390,027	02/1995	Henmi et al.			
		5,396,545	03/1975	Nair et al.			
		5,410,326	04/1995	Goldstein			
HVT		5,410,344	04/1995	Graves et al.			
FOREIGN PATENT DOCUMENTS							
		Document Number	Date	Country	Class	Subclass	Translation Yes No
HVT		97/29592	08/1997	WO			
		97/48230	12/1997	WO			
		97/50250	12/1997	WO			
		98/16062	04/1998	WO			
HVT		99/03275	01/1999	WO			
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
HVT		Kato et al., <i>A Portable Communication Terminal for Novices and its User Interface Software</i> , October 1995, IEICE Trans Commun., Vol. E78-B, NO. 10, pp.1387-1393					
		Angus et al., <i>Embedding the Second Interaction Metaphor in a Real 3D Virtual Environment</i> , 1995, SPIE Vol. 2409 pp. 282-293					
		Fah-Chun Cheong, <i>Internet Agents: Spiders, Wanderers, Brokers, 'Bots</i> , 1996, pp. 4-35, 387-390					
		EJ Persoon, <i>Smash- A Concept for Advanced Use of Storage in the Home</i> , XP-002117666					
		MP Ceccarelli, <i>Metadata for Broadcasting</i> , February 1998, MPEG-7 Workshop ACM9, Brussels					
		IBM Corporation Home Page, <i>Intelligent Agents</i> , www.raleigh.ibm.com/iaq/iaqhome.html					
Examiner		Date Considered					
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U.S. PATENT DOCUMENTS							
Examiner Initial*		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
HVT		5,436,676	07/1995	Pint et al.			
		5,444,499	08/1995	Saitoh			
		5,446,488	09/1995	Vogel			
		5,465,113	11/1995	Gilboy			
		5,481,752	01/1996	Suzuki et al.			
		5,483,278	01/1996	Strubbe et al.			
		5,488,571	01/1996	Jacobs et al.			
		5,515,106	05/1996	Chaney et al.			
HVT		5,517,187	05/1996	Bruwer et al.			
FOREIGN PATENT DOCUMENTS							
		Document Number	Date	Country	Class	Subclass	Translation Yes No
HVT		99/03275	01/1999	WO			
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
Examiner				Date Considered			
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U.S. PATENT DOCUMENTS								
Examiner Initial*		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate	
HWT		5,519,448	05/1996	Nagasawa et al.				
		5,526,401	06/1996	Roach, Jr. et al.				
		5,530,469	06/1996	Garfinkle				
		5,535,147	07/1996	Jacobs et al.				
		5,539,449	07/1996	Blahut et al.				
		5,556,107	09/1996	Carter				
		5,561,708	10/1996	Remillard				
		5,561,709	10/1996	Remillard				
HWT		5,564,088	10/1996	Saitoh				
FOREIGN PATENT DOCUMENTS								
		Document Number	Date	Country	Class	Subclass	Translation	
							Yes	No
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)								
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U.S. PATENT DOCUMENTS							
Examiner Initial*	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate	
HVT	5,566,069	10/1996	Clark, Jr. et al.				
	5,583,560	12/1996	Florin et al.				
	5,585,865	12/1996	Amano et al.				
	5,585,858	12/1996	Harper et al				
	5,619,250	04/1997	McClellan et al.				
	5,619,251	04/1997	Kuroiwa et al.				
	5,621,473	04/1997	Hill				
HVT	5,621,456	04/1997	Florin et al.				
	5,623,690	04/1997	Palmer et al.				

FOREIGN PATENT DOCUMENTS								
		Document Number	Date	Country	Class	Subclass	Translation	
							Yes	No

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		

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U.S. PATENT DOCUMENTS							
Examiner Initial*		Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
HVT		5,754,773	05/1998	Ozden			
		5,760,821	06/1998	Ellis et al.			
		5,767,893	06/1998	Chen et al.			
		5,767,896	06/1998	Nemirofsky			
		5,774,186	06/1998	Brodsky			
		5,710,605	01/1998	Nelson			
HVT		Des 328,878	08/1997	Erlin			
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